



UNITED STATES PATENT AND TRADEMARK OFFICE



DR
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/607,912	06/27/2003	Bernard Andre	BREV 13186 DIV	8153

7590
Norman P. Soloway
HAYES SOLOWAY P.C.
130 W. Cushing Street
Tucson, AZ 85701

02/22/2007

EXAMINER
STOUFFER, KELLY M

ART UNIT	PAPER NUMBER
1762	

MAIL DATE	DELIVERY MODE
02/22/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

10/607912

6/27/03

Bernard et al.

BREV 13186 DIV

EXAMINER

Kelly M. Stauffer

ART UNIT	PAPER
----------	-------

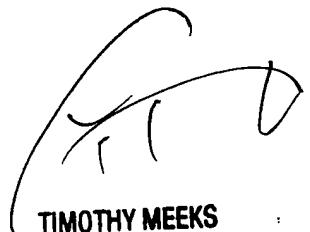
1762 20070220

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Attached is a copy of PTO-1449, which was mailed by applicant on 6/27/03 and 6/19/06, now initialed and dated.



TIMOTHY MEEKS
SUPERVISORY PATENT EXAMINER

kms

Notice of References Cited

JUN 19 2006

Application/Control No.
09/830,380

Applicant(s)/Patent Under
Reexamination
ANDRE ET AL

Examiner
Tamra L. Dicus

Art Unit
1774

Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
KMS	A US-5,399,435	03-1995	Ando et al.	428/428
KMS	B US-5,623,375	04-1997	Floch et al.	359/871
KMS	C US-5,691,044	11-1997	Oyama et al.	313/461
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages
U	
V	
W	
X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

BREV 13.

Applicant(s)

Filing Date

APRIL 25, 2001

Group Art Units

JUN 19 2006

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
KMS	0 486 475 A2	03-03-89	EUROPE	C 03 C	17/23		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KMS		<p>"Influence of Microstructure on Laser Damage Threshold of IBS Coatings" by C. J. Stoltz et al SPIE Vol. 2714 XP-002111763, pgs. 351-359</p>
KMS		<p>"Thin Films for Optical Systems" edited by F.R. Flory Ecole Nationale Supérieure de Physique de Marseille, Marseille, France Pgs. 521-549</p>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and no
considered. Include copy of this form with next communication to applicant.

BEST AVAILABLE COPY

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

JUN 19 2006

BREV 1310

APPLICATION NUMBER

Applicant(s)
ANDRE et al

Filing Date

APRIL 25, 2001

Group Art Unit

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KMS	<p>"Chemical Coatings Deposited by Reactive Ion Plating" by A.J. Waldorf et al Applied Optics/October 1, 1993/Vol. 32, No. 28 pgs. 5583-5593</p>	
	<p>"Optical Coatings for High-Power Neodymium Lasers" by B. Brauns et al Sov. J. Quantum Electron 18 (10) Oct. 1988, c 1989 American Institute of Physics pgs. 1286-1290</p>	
	<p>"Investigation of Optical Damage Mechanisms in Hafnia and Silica Thin Films Using Pairs of Subnanosecond Laser Pulses with Variable Time Delay" by L.L. Chase, et al J. Appl. Phys. 71 (3) February 1, 1992/American Institute of Physics pgs. 1204-1208</p>	
	<p>"Characterization of Defect Geometries in Multilayer Optical Coatings" by R.J. Tench et al J. Vac. Sci. Technol. A 12(5), Sep/Oct 1994 1994 American Vacuum Society pgs. 2808-2813</p>	
	<p>"Reactive Evaporation of Low-Defect Density Hafnia" by R.Chow et al Applied Optics/ October 1, 1993/ Vol. 32, No. 28/ pgs. 5567-5574</p>	
	<p>"Stress and Environmental Shift Characteristics of HfO₂/Si₂ Multilayer Coatings" by J.F. Anzellotti et al Proceedings Reprint/SPIE - The International Society for Optical Engineering Reprinted from 28th Annual Boulder Damage Symposiumproceedings "Laser-Induced Damage in Optical Materials: 1996" October 7-9, 1996, Boulder, Colorado SPIE Vol. 2966, pgs. 258-264</p>	
	<p>"Study of the Structure and Properties of Thick Vacuum Condensates of Nickel, Titanium, Tungsten, Aluminium Oxide and Zirconium Dioxide" by B.A. Movchan et al F metal.metalloved., 28, No. 4, 653-660, 1969 pgs. 83-90</p>	
▼	<p>"Nano Absorbing Centers: A Key Point in Laser Damage of Thin Films" by J. Dijon et al SPIE Vol. 2966, pgs 315-325</p>	

EXAMINER

/Kelly Stouffer/

DATE CONSIDERED

02/20/2007

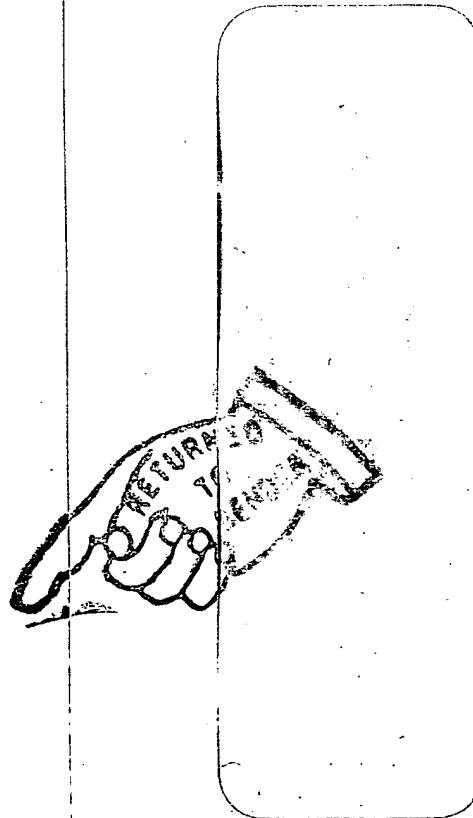
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

F.O. DUX 1450
Alexandria, VA 22313-1450
If Undeliverable Return in Ten Days

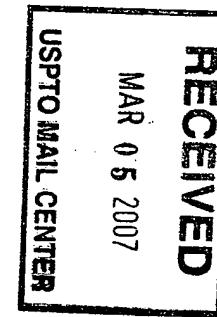
02 1A **UV-005**
0004205065 FEB 26 2007
MAILED FROM ZIP CODE 22314

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

AN EQUAL OPPORTUNITY EMPLOYER



NO MAIL SENT
 NOT DELIVERABLE AS DIRECTED
 NO SUCH NUMBER(S) EXIST
 MOVED, LEFT NO ADDRESS
 REFUSED BY ADDRESSEE
 INSUFFICIENT ADDRESS
 NEED AFFILIATE NUMBER
 NEED COMPANY NAME
 LANDLINE OR SUITE NUMBER
0106 ATTEMPTED, NOT KNOWN



BEST AVAILABLE COPY